

Title (en)  
Heating element with swirl sheets

Title (de)  
Heizregister mit Wirbelblechen

Title (fr)  
Élément de chauffage à tôles tourbillonnantes

Publication  
**EP 0954969 A3 20020515 (DE)**

Application  
**EP 99107231 A 19990414**

Priority  
DE 19820068 A 19980506

Abstract (en)  
[origin: EP0954969A2] A multi-stack industrial food baking oven has a series horizontal baking chambers (4) through which hot gases (55) flow. The floor of the baking chamber has a series of vortex generator (51, 51) components projecting upwards and directed into the oncoming hot gases. The vortex generators break up the boundary layer flow of hot gases.

IPC 1-7  
**A21B 1/26**; **A21B 1/14**

IPC 8 full level  
**A21B 1/26** (2006.01); **H01R 43/00** (2006.01)

CPC (source: EP US)  
**A21B 1/26** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
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DE 59910557 D1 20041028; US 6121582 A 20000919

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